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Rural Schools.

Equipment for Domestic Science, Constructive Work, and School Gardens.

DOMESTIC SCIENCE.

2	Granite saucepans, No. 10	$0 30
2	" " (two sizes larger)	40
1	Granite dishpan, eight quart size	35
1	Tin pudding dish	20
1	Tea-kettle, flat bottom, No. 6	60
1	Stewpan, straight sided, quart size	20
3	Bowls, white soup bowls No. 12, each	05
3	Plates, dinner size, white, No. 22, good quality	25
	(the above are to be good quality granite)	
1	Dover egg beater	10
1	Egg beater	05
2	Measuring cups, marked in ¼, ⅓	10
1	Grater	05
1	Small steamer, and kettle to fit	50
1	Cake tin 8 x 5 x 2 in	20
1	Strainer or Sieve	15
1	Towel rack. 4 leaved screen shape, cheaper one would do	50
1	Meat board, hardwood, 10 x 12 in. 1 in. thick	15
3	Wooden spoons	15
2	Mixing bowls, 1 and 2 quart size	50
1	Jug, 1 quart size	20
2	Salt and pepper shakers (one each)	25
1	Tea-pot, pint size, Brown Globe	20
6	Pint fruit jars, for holding supplies	30
1	Lemon reamer	10
1	Crock, for garbage, with cover	25
3	Frying pans, Acne, size 00, (1 would do if teacher does cooking)	15
1	Can opener	10
6	Teaspoons	25
3	Tablespoons	25
6	Knives and forks, 3 forks would do	75
3	Paring knives (2 would do)	30
1	Spatula	30
1	Rolling pin	15
1	Pastry board	25
6	Dish towels	75
3	Dish cloths	15
3	Scrub cloths	15
3	Dusters	15
1	Blue Flame stove, two burners, improved make, with oven	8 60
	or single coal oil stoves $1.00 each, but these are not so good.	

Additional equipment desirable, but not essential.

1 Kitchen table with drawer, might use table in room	2 50
1 Flour box	45
6 Cups and sauces (fewer would do)	50
6 Medium size plates " " "	40
1 Jug, 1 pint size	15
1 Carving knife and fork	1 00
1 Pair scissors	25
Miscellaneous. Soap dish, hammer, cork screw, floor cloth, salt box, thermometer, wire strainer, dust pan, clock, etc., about	2 00

The above list gives an approximate cost of a very simple equipment, but one with which good work could be done, and some individual work, say, three pupils working together. The kitchen table could be fitted with a framework underneath with doors, in which the utensils could be kept when not in use, and locked so as to prevent pupils tampering with them. The teacher may omit or add to the above as the requirements of the special case may demand. Table setting and serving may be taught on the kitchen table, when a tablecloth and sufficient dishes may be borrowed for the occasion, if considered too expensive to purchase.

The cost might be reduced to about $12.00.

Attention should also be paid to needlework. The equipment for this is generally owned by each girl ; scissors, rule, needle and thimble being all that is really necessary. When cutting out is done any flat top table may be used.

CONSTRUCTIVE WORK.

25 pairs of scissors 5 inches	$5 00
6 Knitting needles	30
24 Pencil compasses	2 00
6 Ticket punches	1 50
24 Mill boards 12 inches x 12 inches	1 00
24 Rulers	1 25
25 Pencils	50

A box or tray should be provided to keep the above equipment when not in use. By arranging that all the classes shall not work at the same time, the equipment may be made to serve a large number. Most children will have rulers and pencils of their own, and, if necessary, they could be asked to bring scissors from home. The knitting needles are for "scoring." They should be broken in two and the broken end thrust into whittled wooden handles making twelve scoring points. The mill boards are for protecting the tops of the desks, but sheets of newspaper may be substituted where it is desirable to reduce the expense. The scoring points may be used instead of punches, or a stout wire nail will make a very satisfactory hole through paper or thin cardboard. Brown paper, old copy book covers, and cardboard boxes may all be utilized in this work, thus reducing the expense for material.

For clay modelling, all the equipment that is necessary is an earthenware crock in which to keep the clay. It should be covered by a damp cloth and sheets of newspaper. There should also be some brown paper or oilcloth to cover the desks.

SCHOOL GARDENS.

Individual plots should vary from six feet square to six feet by ten according to the age and capacity of the pupil. If the plots are larger two pupils should work together. Twenty feet square is a convenient size for class plots in which experimental work with potatoes, corn, clover, cabbage, tomatoes, etc., may be conducted. In the larger schools two hours per week will be required, while in the smaller, one hour will suffice. There should be a garden shed about ten by twenty feet for storing tools and carrying on work not suitable to the class room, such as analysis of soils, selecting seeds, making labels, potting plants, etc. (See Minister's Report 1904, page xxx.)

Implements.

12	Six-inch light weeding hoes	$3 50
12	Ten-inch steel rakes, light, ten-tooth	4 50
18	Claw hand-weeders	1 35
2	Light (flat) short-handled shovels	1 50
2	" " spades	1 50
1	" " digging fork	75
3	Transplanting trowels	50
1	100-foot garden line and reel	90
1	50-foot tape line	50
1	Wheel-barrow	2 50
1	Lawn mower	3 75
1	Spray pump	3 50
1	Light hatchet	50
1	Light hand saw	1 00
1	Two-foot rule	25
1	Try-square	40
1	Small plane	75
1	Flat file	15

The foregoing equipment is the minimum for a school of 25 to 30 pupils. The number of hoes, rakes and hand-weeders might each safely be put at one for every two pupils in average attentance. For average school the cost need not exceed $25.

Vegetable Seeds.

1 peck improved variety of potatoes ; 1 lb. beans, 2 varieties ; 1 lb. sugar corn, 2 varieties ; ¼ lb. beets, 2 varieties ; 1 oz. carrots, 2 varieties ; ½ oz. seed onion, 2 varieties ; 2 oz. radish, 2 varieties ; 1 oz. lettuce, 2 varieties, 1 oz. parsnip ; 1 oz. turnip ; 1 pkt. cucumber ; 1 pkt. cress ; 1 pkt. kale ; 1 pkt. kohl rabi ; 1 pkt. summer savory ; 1 pkt. sage.

The following to be started in a hot-bed or window box : 1 pkt. cauliflower ; 1 pkt. Brussels sprouts ; 1 pkt. celery ; 3 pkts. cabbage, 3 varieties ; 3 pkts. tomato, 3 varieties. Estimated cost.....$2 00

Flowering Annuals.

To be started indoors or in hot-bed : 3 pkts. aster, mixed or 3 named varieties ; 2 pkts. balsams, mixed ; 2 pkts. dianthus (pinks) ; 1 pkt. pansy ; 1 pkt. petunia ; 1 pkt. portulaca : 2 pkts. phlox Drummondi grandiflora ; 1 pkt. Ricinus (Castor bean) ; 1 pkt. scarlet sage ; 1 pkt. salpiglossis ; 1 pkt. sweet scabious ; 1 pkt. ten-week stocks ; 1 pkt. verbena.

For open planting : ½ oz. sweet alyssum ; ½ oz. candytuft ; ½ oz. mignonette ; 2 pkts. dwarf nasturtium ; 2 pkts. Eschscholtzia (California poppy) ; 2 pkts. Shirley poppy ; 1 pkt. double mixed poppy ; 1 pkt. tall nasturtium ; 1 pkt. mixed sweet peas ; 1 pkt. double hollyhock (biennial); 1 pkt. Russian sunflower. Estimated cost.....$2 00